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<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	09/624,085	LEE ET AL.	
	Examiner	Art Unit	
	Ian N Moore	2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6-22-2004.
2. ☒ The allowed claim(s) is/are 1-13.
3. ☒ The drawings filed on 10 March 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                       |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                         |
|   | 9. <input type="checkbox"/> Other _____   |

**BRIAN NGUYEN**  
**PRIMARY EXAMINER**

9/8/04

## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments, see page 10-16, sections A and B, filed 6-22-2004, with respect to claims 1,4,5,6,7, 9,12 and 13 have been fully considered and are persuasive. The rejection of 1,4,5,6,7, 9,12 and 13 has been withdrawn.

## EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gregory C. Ranieri on September 8, 2004.

The application has been amended as follows:

- Abstract, line 12-27, **remove** "... The assigning step can be accomplished by assigning a level that is less than or equal to D (the maximum number of hops that a packet must traverse through said network from node  $X_i$  to node  $R_i$ ) minus the number of hops remaining between the receiving node  $R_i$  and the destination, and is further arranged such that the priority level  $\lambda_p$  assigned to packets stored in the buffer at  $R_i$  is based upon the destination to which the packets are to be transmitted, and is the same (referred to as  $\lambda^d$ ) for all packets intended for the same destination. The feedback value  $f_i$  sent from a receiving node  $R_i$  to a sending node  $X_i$ , which

represents the lowest priority level of packets that the receiving node  $R_1$  could accept without violating any of the  $B_i$  buffer threshold constraints, is determined by first setting in the buffer at the receiving node  $R_1$  thresholds  $B_i$  that limit the maximum amount of space for packets with priority levels  $\lambda^d$  less than or equal to  $i$ . At all times, all  $B_i$  buffer threshold constraints must be satisfied. The receiving node  $R_1$  thereafter monitors the priority levels  $\lambda^d$  of arriving and departing packets, and the increasing of priority levels  $\lambda^d$  of previously-stored packets (so that all packets destined for a given destination  $d$  have the same priority level  $\lambda^d$ ) and thus keeps track of the total space in the buffer at  $R_1$  occupied by packets of various priority levels  $\lambda^d$ ."

***Allowable Subject Matter***

3. Claims 1-13 are allowed.

Art Unit: 2661

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ian N Moore whose telephone number is 571-272-3085. The examiner can normally be reached on M-F: 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ken Vanderpuye can be reached on 571-272-3078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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**BRIAN NGUYEN  
PRIMARY EXAMINER**